

1 division by revenues or by connections or by
2 phone numbers, we still have a concern.
3 There's no magic wand that's going to solve
4 that funding dilemma, getting the same money
5 essentially to the same people.

6 That constraint being there, I think
7 we need to consider our main focus in the near
8 terms as controlling the size of the fund and
9 the measures that ensure incentives for
10 operating efficiently, that deal with costs of
11 duplication of supporting multiple networks,
12 and that also prevent us from expanding
13 without meaning to the entitlement that we
14 offer to consumers in rural areas in changing
15 the kinds of services that they can buy.
16 We've made four recommendations that deal
17 specifically with those concerns, and I'll
18 just list them quickly here.

19 First, we recommend that the FCC
20 should establish a rebuttable presumption that
21 there should be only one ETC in each rural
22 serving area.

23 Second, in areas where that
24 presumption's overcome and for whatever reason
25 they have more than one ETC, we need a second

1 line of defense, another control mechanism.
2 We propose that that should be a primary line
3 approach that essentially de-couples the
4 carrier's -- the customer's purchase decision
5 from how much subsidy they get, which I think
6 we need to do to avoid having somebody go
7 from, say, one wireline line to adding, say,
8 five wireless handsets. And so, \$20 in
9 subsidies turn into \$120 of subsidies.

10 The third measure that we would
11 propose is that at the outset of any new plan,
12 the support level should be based on the
13 incumbent carrier's actual expenditures during
14 the previous 12-month period rather than on
15 some level it's already cost us. However,
16 that should only be done once going forward.
17 And then that should be frozen and then
18 indexed so as to provide an incentive to all
19 ETCs in each area to operate efficiently.

20 And, finally, fourth, I think we need
21 to recognize that the larger carriers in rural
22 areas providing universal service have
23 characteristics in terms of density,
24 investment per line, portion of business
25 customers in the area, and so on, that really

1 make them much more similar to the non-rural
2 carriers than they are to the smaller carriers
3 in rural areas.

4 And so, it makes more sense, we feel,
5 to consolidate study areas within each state
6 than on a consolidated basis that a carrier
7 that's serving more than 100,000 lines in a
8 given state ought to be treated the same way
9 as non-rural areas are.

10 Those are specific proposals. You'll
11 notice we provide incentives for efficiency
12 without going through what I think will be the
13 agony of developing a new cost model or
14 arguing about the inevitable errors in such a
15 mechanism.

16 I would also caution, given the
17 premise in which I started, in trying to
18 export the problems of the intercarrier
19 compensation world into this world where we're
20 already having enough problems dealing with
21 the difficulties we're facing here already.

22 And, finally, in conclusion, I'd like
23 to turn to the question that Billy Jack Gregg
24 asked, which is, what do we do about universal
25 service in a broadband age. And my answer to

1 that is something completely different. I
2 don't think we should kid ourselves that the
3 near-term proposals that we're talking about
4 in these open proceedings are policy for the
5 ages or that they're going to survive more
6 than about, say, five years in the face of
7 changes I think we can all see coming.

8 I'm just going to list three of those
9 changes very quickly, and I invite your
10 questions during the remainder of the session.

11 First, we're all transitioning, we're
12 all building IP-based networks. So, as we do
13 that, we're going to exchange traffic, we're
14 all going to play by Internet rules, not by
15 the old circuit switch rules. Those new
16 networks and that change in the market is good
17 for the consumers. It's going to offer them
18 many more choices. But as a side effect, it's
19 going turn rural ILECs from net recipients of
20 access service to net payers of transit
21 service to interconnect with Internet
22 backbones.

23 Again, that's not a market solution
24 that we ought to try to change, but we need to
25 take account of it in considering what the

1 requirements are going to be to meet our
2 universal service goals in the future.

3 Secondly, in terms of contribution,
4 simply put, we have a sector-specific approach
5 to contribution today, or certain
6 contributions from certain carriers. We're
7 one of only a handful of countries around the
8 world to try to do that. Most countries do it
9 out of general revenue. And by that, I don't
10 mean state plus interstate telcom revenue; I
11 mean the federal budget. A sector-specific
12 tax works if you can identify the sector.
13 Going forward as the telcom sector emerges
14 with a larger Internet, we're not going to be
15 able to do that and we're not going to tax the
16 larger Internet as whole. So, we have to work
17 through another funding source. That may be
18 painful but I think this may be like democracy
19 in that it's the worse solution except for all
20 the others.

21 And, finally, we have a certain
22 notion of how the universal service funding
23 mechanism works. Money goes into a fund,
24 comes out of a fund in terms of monthly
25 checks. The checks supported a fine, local

1 service. And I think all of that framework is
2 going to be rethought for the future.

3 If I have a broadband connection to
4 the world, I may get my voice application from
5 anyone. It could be a VoIP provider in
6 Estonia. Unless we want to get into the
7 business of having USAC send checks to
8 Estonia, we probably need to rethink the
9 structure of that. We probably need to start
10 funding infrastructure more directly, perhaps
11 through up-front grants. One advantage of
12 that, I think, also is it decouples the
13 decision of what to support from the decision
14 about what to regulate. And I don't mean to
15 give you the answer to either of those, but I
16 suggest those decisions ought to be made
17 independently.

18 So, with that, I'll stop. And I
19 invite your questions. Thank you.

20 COMMISSIONER ABERNATHY: Thank you
21 very much, Mr. Weller.

22 And now, Mr. Dale Lehman from the
23 Alaska Pacific University. You probably came
24 the furthest. Thanks.

25 DR. LEHMAN: Probably flew the most

1 hours, I think, yes.

2 Thank you for the opportunity to come
3 and participate in this panel. I don't
4 believe this panel exists because of the
5 theoretical differences between
6 forward-looking and embedded costs. I do
7 believe this panel exists because embedded
8 costs have a unique property in that they are
9 intimately tied to the actual costs of
10 providing universal service. And only
11 forward-looking costs provide the basis for
12 creating an illusion that somehow universal
13 service can be provided far more cheaply than
14 it is today. And I think that that illusion
15 is produced in three fundamentally flawed
16 ways, all of which have been provided to you
17 in various pieces of testimony.

18 One is this vision that somehow the
19 rural ILECs' costs are rapidly increasing. In
20 fact, they have pretty much matched inflation
21 on a cost-per-line basis. And I think the
22 best benchmark to compare that to is states'
23 own price cap proceedings in which 38 states,
24 their average X factor for productivity they
25 expect in a local exchange pretty much matches

1 the inflation rate, which is what the
2 high-cost fund is also matching.

3 The growth in the high-cost funds,
4 which undeniably has been large in the last
5 five years, has been due primarily to a
6 restructuring from implicit to explicit
7 support, to some extent to the acquisition of
8 rural exchanges from larger carriers and
9 subsequent investment, to some extent through
10 the re-initializing of the cap that was in
11 place over the 1990s, and a very slight extent
12 to an increase in lines. But it's not that
13 the cost -- the cost per line has not been
14 increasing dramatically. So, it's an illusion
15 to think that there's some waste that's
16 occurring suddenly in the last five years. It
17 was either there all along or it hasn't been
18 occurring.

19 The second is this perception, the
20 allegation of systematic waste and
21 inefficiency that goes on. And I think the
22 only evidence that's been provided of
23 systematic inefficiency concerns the issue of
24 the number of rural carriers and whether
25 massive consolidation would, in fact, be a

1 good idea. And I suspect we may have some
2 more discussion of this, but I would just
3 point out that I don't think -- I think the
4 cost savings are unproven and, in any case, I
5 think it is a very bad idea for rural areas to
6 think that you should be urging a massive
7 consolidation of rural telephone companies.

8 The third illusion of waste that goes
9 on is probably the most disturbing. And
10 that's this vision that technology is changing
11 and somehow it has dramatically reduced the
12 cost of providing universal service. I don't
13 think that comports with the facts on the
14 ground with the exception of possibly
15 switching. Loop costs have not experienced
16 that kind of technological progress. And
17 what's more troublesome is if you really
18 believe it has, we should be talking about a
19 different issue that's hardly been raised.

20 And that's that if carriers made
21 prudent investments in the past when
22 technology was different and now technology
23 has rendered the costs far lower than what
24 they already spent, they have under-recovered
25 those investments to this point in time, and

1 we need to be talking about how to make them
2 whole in the sense of the prudent investments
3 they made in the past. And this is important
4 in a forward-looking sense because future
5 investment in rural areas depends on how you
6 treat the investments that were already made
7 in rural areas.

8 So, if you really believe that
9 technology has made the current technology
10 obsolete, we should be talking about how do we
11 ensure that carriers have an incentive going
12 forward to invest in the next generation of
13 technology, which will also be made obsolete
14 at some time in the future.

15 And, finally, I would say that I
16 think I agree with a couple of things that I
17 heard, that the choice of embedded costs and
18 forward-looking cost really shouldn't divert
19 you from far more important issues. And I
20 think intercarrier compensation, how to fund
21 competitive, eligible telecommunications
22 carriers, as well as the contribution that
23 comes in for USF are far more important and
24 far more worthy of your time than chasing
25 after a forward-looking cost standard.

1 Thank you.

2 COMMISSIONER ABERNATHY: Thank you
3 very much, Dr. Lehman.

4 And, last but not least, Dr. Lee
5 Selwyn will be giving us a presentation from
6 Economics and Technology, Inc.

7 Thank you, Dr. Selwyn.

8 DR. SELWYN: Good afternoon,
9 commissioners. Thank you for the opportunity
10 to speak with you this afternoon. I will
11 summarize my written statement emphasizing a
12 couple of key points.

13 I think that the policy that has been
14 developed over the years, and you heard a lot
15 of it in the remarks so far this afternoon,
16 has been focused on rural carriers. I believe
17 that fundamentally universal service policy
18 has to be focused on consumers. And
19 consumers' interests may not coincide
20 precisely with the service providers that
21 serve these areas. Consumers' interest --
22 and, incidentally, consumer interests come
23 both with respect to rural consumers as well
24 as consumers in non-rural areas who are being
25 asked to contribute to the high-cost funding

1 mechanism.

2 For the consumers who contribute,
3 obviously, as the total size of the fund
4 escalates and their surcharges continue to
5 rise, that's clearly a concern. But for
6 consumers in rural areas, if the size of the
7 fund continues to escalate at the rate at
8 which it has been escalating in recent years,
9 the political basis for continuing this
10 support mechanism could well erode. And the
11 very fact that some of the discussions that we
12 are having here today are taking place is
13 evidence of that. And that is not necessarily
14 in the interest of rural consumers who are
15 looking for ways to assure that service is
16 available in their community.

17 Second point is that there's been
18 some discussion about the effect of CETCs
19 entering in rural areas, getting
20 certification, and drawing funds from the
21 high-cost support mechanisms. Concerns are
22 expressed that if CETCs erode rural LEC
23 revenues, causing -- further escalating the
24 size of the fund and not allowing the rural
25 LECs to shed costs as rapidly as they might be

1 shedding revenues.

2 Interestingly, these are not new
3 arguments. We've heard these arguments. I've
4 been involved in this field now for
5 30-some-odd years, and we've heard these
6 arguments at every stage of the entry of
7 competition into almost every sector of the
8 telcom industry. And this is simply the
9 latest incarnation.

10 If we have a national commitment to
11 competition, I don't think it's appropriate to
12 carve out certain segments of the country and
13 simply declare competition as nonfeasible and
14 not to be supported. If we subsidize
15 incumbents and do not subsidize competitors
16 serving the same types of customers in the
17 same areas, we create very perverse
18 incentives. We deny customers in those
19 communities access potentially to more
20 efficient, lower cost, and perhaps more
21 functional -- more highly functional
22 technologies and alternate services. It's
23 hard for a competitor to come in and compete
24 with a subsidized incumbent. It's hard enough
25 for a competitor to compete with an incumbent.

1 If the incumbent is subsidized, it may make
2 entry almost impossible.

3 Competition at a certain level is
4 going to happen as we move more toward
5 broadband. Intermodal competition that the
6 Commission has expressed such interest in in
7 recent years in other fora, it will come to
8 rural areas. And rather than bury our heads
9 in the sand and assume it won't have any
10 effect as long as the CETCs as are excluded
11 from the subsidy mechanism or CLECs are not
12 certified and therefore do not receive
13 subsidy, there will continue to be revenue
14 erosion.

15 With respect to the issue of embedded
16 versus forward-looking costs, years ago all
17 local exchange carriers were regulated on the
18 basis of embedded cost under a system
19 regulation known as rate-of-return regulation.
20 At that time, the carriers would submit
21 extensive rate cases, sometimes 15 or 20 or 25
22 witnesses, extensive financial and other data.
23 Commissions would review this, would determine
24 the legitimacy of investments, legitimacy of
25 various operating expenses, would conduct

1 audits and reach conclusions as to the overall
2 revenue requirement. They would consider all
3 sources of revenue that were available to the
4 LEC.

5 When we speak of embedded costs in
6 the context of rural carriers -- and the
7 notion that these somehow are actual costs, I
8 think raises some serious question. Nobody is
9 really looking at these costs. They may be --
10 they may not have increased in inefficiency,
11 but they certainly have an incentive to
12 continue to escalate spending and escalate
13 their operating costs if they can be assured
14 reimbursement.

15 It seems to me what we need to move
16 to is a system that will eliminate perverse
17 incentives, that will eliminate incentives of
18 larger carriers to sell off smaller exchanges
19 because they have been able to access more
20 high-cost support incentives that would favor
21 incumbent technology and incumbent carriers
22 over entrance. And, as a general matter,
23 doing these things will make -- will really
24 satisfy and achieve the goals of the Telcom
25 Act, which is to give to rural communities

1 access to the same and equivalent services
2 that are available in urban areas and at
3 prices that ultimately will come to be
4 comparable to those available in non-rural
5 areas.

6 Thank you. And I'd be happy to
7 respond to any questions.

8 COMMISSIONER ABERNATHY: I want to
9 thank all our panelists. You did exactly what
10 we asked you, to give us a high-level summary,
11 raise a lot of questions.

12 So, I think what I'll do is for the
13 first round we'll start to my right. We'll
14 start out with Commissioner Jaber, and then on
15 down to Commissioner Martin. And because
16 we've got enough time, I think each
17 commissioner can go with two questions. If we
18 still have time after that, we'll do another
19 run.

20 COMMISSIONER JABER: Let me seek your
21 guidance, Madam Chairman. I have a question
22 that I would like to pose to any panelist who
23 wants to comment on it. And then I have a
24 second specific question.

25 The first one is as I said in the

1 introduction. I want to focus a little bit on
2 the definition of the rural telephone company.
3 And I heard panelists specifically address
4 that.

5 Mr. Coit, you took a specific
6 position on it. And my question to you, and
7 then generally to the panelists, is I think
8 that there's recognition that some carriers
9 are receiving support from the program having
10 met the definition of rural telecommunications
11 carrier company, but yet serve in a non-rural
12 area. In my state, in particular, I know of
13 one that is in the Disney area. Disney is not
14 rural in Florida. I pose that to anyone who
15 wants to comment on it.

16 And then, Dr. Lehman, my question to
17 you is one that comes from confusion and I
18 apologize for that. I'm not sure if you were
19 advocating that we go back and make companies
20 whole by doing rate cases. When you
21 referenced, you said that perhaps it's a
22 question of these incumbents who have not
23 fully recovered the cost of infrastructure.
24 All I could think of was, are you advocating
25 for rate cases?

1 DR. LEHMAN: No. I think the rate
2 case is an inefficient way to go about that.
3 But I think the point is if the money was
4 already spent and it was spent when newer
5 technology that is presumably much cheaper --
6 which I actually don't accept as far as loop
7 access goes -- but if that's your premise,
8 then it's much cheaper, to provide access to
9 loop facilities. The money was well spent in
10 the past, but it hasn't yet been recovered.
11 You can't just sort of pull out and say, oh,
12 well, the cost has gone down so now you get
13 half of what you got before. Because the next
14 round, nobody is going to invest in the newest
15 technology without a much more accelerated
16 fashion of recovery.

17 In some sense, it means the
18 depreciation was inadequate in the past
19 because we're now saying the economic reality
20 is these facilities really don't have much of
21 a life left or don't have much value left.
22 But you're stuck with them on the books
23 because the world has changed, not unlike
24 stranded costs in electrics, which I know you
25 have a lot of experience dealing with. And

1 generally the principle has been accepted that
2 stranded costs are an issue that needs to be
3 dealt with. I think there is a huge stranded
4 cost issue in telecommunications if you
5 believe the premise that costs have
6 dramatically come down.

7 COMMISSIONER ABERNATHY: Go ahead,
8 Dr. Selwyn.

9 DR. SELWYN: We don't know that those
10 costs haven't been recovered because we don't
11 have any traditional rate of return analysis
12 of revenues and costs. What we have is a
13 funding mechanism that is sort of cost driven,
14 but is not really focusing on what we might
15 term a traditional revenue requirement.

16 What we do know is that when
17 exchanges are being sold off, rural exchanges
18 are being sold off, the prices that the buyer
19 is paying for them are multiples of book
20 value, which would certainly give an
21 indication that buyer expects not just to
22 recover the book value of that investment, the
23 embedded cost, but will in excess of the book
24 value.

25 So, I think in point of act, if

1 you're going to continue to rely on embedded
2 costs, you must make the very kind of
3 determination that Dr. Lehman has suggested is
4 inefficient. That is, you must make a
5 determination as to whether or not that
6 subsidy is required, whether or not all
7 sources of revenue -- some of which may be
8 below the line and non-regulated but
9 nevertheless flow to that infrastructure --
10 are, in fact, not fully sufficient to recover
11 the investment. And I don't believe there's
12 ever been a demonstration to the contrary.

13 COMMISSIONER JABER: And the
14 definition issue and whatever follows.

15 MR. COIT: Can I speak to that first,
16 please?

17 My name is Richard Coit. With
18 respect to the rural definition issue, and you
19 mentioned the fact that we had taken a
20 position on that. And in our comments, we
21 have taken the position that -- with respect
22 to determining distribution of support that
23 the rural definition that's contained in the
24 federal Act should be used. It would seem
25 that that -- I guess you can raise an argument

1 as to, you know, what the legal ramifications
2 might be to try to pursue some other
3 definition.

4 But the fact of the matter is that
5 the law today defines rural telephone
6 companies differently under the ETC
7 designation provisions. And it would seem to
8 us that you have to maintain some consistency
9 with that because of the public interest
10 standard that is there. That is there for the
11 purposes of evaluating whether a carrier
12 should receive federal universal service
13 funding and through designation as an ETC.

14 One of the concerns that we have
15 with respect to the way things are working
16 today, is it appears to us that there are
17 competitive carriers that if you looked at them
18 in total, you know, certainly would not be
19 receiving rural support if you look at the rural
20 definition. They're receiving rural support
21 simply because they're providing service in a
22 rural area. And that accounts for -- I think we
23 noted in our comments that it appears that that
24 may account for about 25 percent of the support
25 that's going out to competitive carriers. And

1 that's a concern that we have that we do believe
2 should be addressed.

3 MR. WELLER: Commissioner, there's a
4 famous article in economics called the
5 Disneyland Dilemma and maybe that was
6 anticipating your question. I don't know.
7 Let me just mention a couple facts in framing
8 the answer to your question. First of all, a
9 large number of -- as you know, midsized
10 carriers have been growing a lot recently.
11 And a lot of the lines that we're talking
12 about here are those that they have acquired
13 from larger carriers. So, there are already
14 constraints on the support that they receive.
15 So, for a lot of -- a the large portion of the
16 ones we're talking about, this may not be that
17 great of a change to treat them as non-rural
18 because respectively they're capped at that
19 level already.

20 There are also some safety catches
21 already built into the system, the
22 safety-valve system. And it probably makes
23 sense to continue that sort of cap for
24 extraordinary circumstances where it's really
25 necessary to make large investments in a

1 particular area. Having said that, though, I
2 think if you look across the larger
3 companies -- incidentally, my company would be
4 affected by this. I think our estimate is it
5 would probably cost us about \$7 million per
6 year in support to do what I've proposed. But
7 we need to look at ways to preserve the
8 support so it's directed to where it's really
9 much needed.

10 I think if we're looking at carriers
11 who, either because of their size have
12 economies of scale similar to larger companies
13 in terms of large portions of their,
14 essentially, overhead parts of their
15 operations or else because of the areas that
16 they serve in terms of density loop investment
17 and so on, aren't that different an operation
18 than non-rural companies, then we do, I think,
19 have to start to think about the wisdom of
20 treating them in the same category as much
21 smaller companies.

22 And as far as the definition is
23 concerned, again, I'm not the attorney here.
24 This could be my revenge on lawyers trying to
25 do economics. My understanding is that the

1 definitional differences set forth in the Act
2 is with respect to certification of the ETCs.
3 And the Commission is not obligated to use
4 that as a dividing line in terms of the way
5 funding is structured and indeed only arrived
6 at that after several years of deliberations
7 as a matter of convenience. So, they can
8 depart from that if the Joint Board of
9 commissioners finds that suits what they need
10 to do.

11 MR. GARNETT: Just to follow on
12 Mr. Weller's point, the Act in section 254
13 does not talk about rural carriers. It talks
14 about consumers in rural high-cost areas.
15 This is a point actually made back in course
16 of the RTF proceeding by the Vermont and Maine
17 Commissions, and the Commission noted that in
18 the order itself in a footnote buried in the
19 back of the item, but I do remember it.

20 I think the critical thing here is
21 that whatever support mechanism we have has to
22 target support to rural areas, not to rural
23 carriers or to carriers based on whether they
24 might be big or small. So, your example of
25 Sprint in Florida is a good one but --

1 COMMISSIONER JABER: Smart City.

2 MR. GARNETT: I'm sorry?

3 COMMISSIONER JABER: Just for the
4 record, it's Smart City Telcom.

5 MR. GARNETT: Okay. Well, the other
6 example is Sprint has 2 million lines in
7 Florida. That is the one I thought you were
8 thinking of. But in any case it could be that
9 Sprint does serve some high-cost areas or the
10 company you were talking about does serve some
11 high-cost areas. And whatever support
12 mechanism we have in place should target
13 support to those high-cost areas.

14 One of the problems with the current
15 system is we have this problem of averaging.
16 So, under the current system if you have a
17 study area that has 2 million lines in it and
18 there are high-cost and low-cost areas in that
19 study area, you're not going to get support
20 under most cases. And the same thing is true
21 under the non-rural mechanism where you average
22 costs at the state level.

23 We think ultimately the better system
24 is to get rid of the statewide averaging and
25 study area averaging and target support to